

**You**

I am in the process of creating Oracle Standby database and converting it to 2 node RAC. Once Standby database converted to RAC ONE I will be doing switchover to make it Primary. Please help me to understand where I need to create Thread 2 Redo log groups. Let's call sourceserver from I am creating Standby database on serverNodeA and converting it RAC ONE. So I am going to have for some time before switchover 3 servers: sourceserver, serverNodeA and serverNodeB. In which instance on what server I need to add new set of redo log groups?

ChatGPT

**ChatGPT**

When setting up Oracle Data Guard with a standby database, redo log groups are typically created on both the primary and standby databases. However, in your scenario where you are converting the standby database to a RAC ONE database before performing the switchover, you'll need to consider the following:

1. **Primary Database (SourceServer)**:
   * Redo log groups are already present here as part of your primary database configuration.
   * You don't need to make any changes to the redo log groups on the primary database before or after the conversion to RAC ONE.
2. **Standby Database (ServerNodeA and ServerNodeB)**:
   * Before conversion to RAC ONE:
     + Redo log groups should already exist here as part of your standby database configuration.
   * After conversion to RAC ONE:
     + You'll need to ensure that each instance of the RAC ONE database (ServerNodeA and ServerNodeB) has its own set of redo log groups.
     + Create thread 2 redo log groups on each instance of the RAC ONE database (ServerNodeA and ServerNodeB).

So, after the conversion to RAC ONE, you'll need to add thread 2 redo log groups to each instance of the RAC ONE database, which will be ServerNodeA and ServerNodeB in your case.

Ensure that you configure the redo log groups with appropriate sizing and multiplexing to meet your performance and redundancy requirements. Additionally, make sure to follow Oracle's best practices for configuring redo logs in a RAC environment.



**You**

You said that after creating Standby on Server NodeA it will already have redo log groups with Thread 1 by default. Let's say it will have 6 groups already. So from what I understand all I have to do is to add 6 redo log groups with thread 2 on ServerNodeB ?

ChatGPT

**ChatGPT**

Yes, that's correct. If the standby database on ServerNodeA already has redo log groups configured with Thread 1 (let's say 6 groups), then after converting it to a RAC ONE database and setting up ServerNodeB as the second node, you'll need to add 6 redo log groups with Thread 2 on ServerNodeB.

So, in this scenario, you would add an equivalent set of redo log groups on ServerNodeB with the same characteristics (size, multiplexing, etc.) as the ones already present on ServerNodeA, but with Thread 2. This ensures that both instances of the RAC ONE database have their own independent redo log groups for their respective threads.

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**Create Standby database on NodeA (xhedwdbw2as) from existing single instance on (xhedwdbw21s)**

**Primary Database (HEDWSTS on xhedwdbw21s)**

**Redo log groups are already present here as part of existing database configuration.**

* + **You don't need to make any changes to the redo log groups on the primary database before or after the conversion to RAC ONE.**

**Standby Database (xhedwdbw2as and xhedwdbw2bs)**

**Before conversion to RAC Redo log groups should be already exist here as part of standby database configuration. By default redo log groups will be configured with Thread 1**

**As part of conversion to RAC we will need add redo log groups with thread 2 on xhedwdbw2bs**